

IN THE CLAIMS:

Please add claim 21 and amend the claims as follows:

1. (Currently Amended) A correction server system, comprising:

an analyzer to calculate an analytical result using at least one data entity stored in a database;

a data flow manager, responsive to read requests from agents to the database, to store a read history in a memory device identifying a relationship between the data entity being read and the analytical result, and

a correction server that, when corrections are made to the database, identifies corrected entities in a corrected entity log and compares the corrected entity log against the read history to identify analytical results rendered possibly inconsistent due to the correction.

2. (Currently Amended) The correction server system of claim 1, ~~further comprising the reading component, which~~ wherein the data flow manager generates a new entity from the ~~database-data~~ entity that is read and stores it in the database.

3. (Currently Amended) The correction server system of claim 1, wherein the read history log identifies leading and dependent entities, a leading entity being a ~~database-data~~ entity that is read by a component and a dependent entity being a new object entity created from the ~~database-data~~ entity that is read.

4. (Original) The correction server system of claim 1, wherein the read history stores pairs of entity identifiers.

5. (Currently Amended) The correction server system of claim 1, wherein the correction server receives correction data that includes an identifier of a ~~database-data~~ entity being corrected, an indication of fields within the ~~database-data~~ entity that are being changed and an identification of field values that are changed.

6. (Original) The correction server system of claim 5, wherein the corrected entity log stores all the correction data noted in claim 5.

7. (Original) The correction server system of claim 1, wherein the correction server further comprises a filtering agent that compares correction information to filtering criterion and stores

the correction information in the corrected entity log only if the correction information matches the filtering criterion.

8. (Currently Amended) The correction server system of claim 1, wherein the correction server further includes a user interface that permits review and display of the corrected entity log, the user interface providing a "~~jump to~~ - jump to -" feature that, when activated with respect to an entry of the corrected entity log causes a data entity referenced by the entry to be retrieved and displayed.

9. (Currently Amended) A computer-implemented correction management method, comprising:

responsive to a request to correct a first database entity stored in a database, creating a second database entity that is a corrected copy of the first database entity,

storing an entry in a corrected entity log that identifies the first database entity,

comparing the corrected entity log entry against a read history log identifying ~~prior accesses to the database~~ whether entities in the database have been used to calculate an analytical result,

if the entry matches an entry from the read history log, identifying a dependent database entity from the read history log as a possibly inconsistent entity, the dependent database entity ~~based on~~ storing an analytical result calculated from the first database entity.

10. (Original) The correction management method of claim 9, wherein the read history log stores paired leading entity identifiers and dependent entity identifiers relating to the prior accesses.

11. (Original) The correction management method of claim 10, wherein the comparison is made between an entity identifier from the corrected entity log and the leading entity identifier from the read history log.

12. (Currently Amended) The correction management method of claim 9, wherein the ~~correction second database entity~~ includes an entity identifier of the first database entity and an indication of fields within the first database entity being corrected.

13. (Original) The correction management method of claim 9, further comprising comparing the correction request to filtering criteria and performing the storing and comparing unless the correction request does not satisfy the filtering criteria.

14. (Currently Amended) Computer readable medium having stored thereon program instructions that, when executed, cause a computer system to:

responsive to a request to correct a first database entity stored in a database, create a second database entity that is a corrected copy of the first database entity,

store an entry in a corrected entity log that identifies the first database entity,

compare the corrected entity log entry against a read history log identifying ~~prior accesses to the database~~ whether entities in the in the database have been used to calculate an analytical result,

if the entry matches an entry from the read history log, identify a dependent database entity from the read history log as a possibly inconsistent entity, the dependent database entity ~~based storing on~~ an analytical result calculated from the first database entity.

15. (Original) The medium of claim 14, wherein the read history log stores paired leading entity identifiers and dependent entity identifiers relating to the prior accesses.

16. (Original) The medium of claim 15, wherein the comparison is made between an entity identifier from the corrected entity log and the leading entity identifier from the read history log.

17. (Original) The medium of claim 14, wherein the correction request includes an entity identifier of the first database entity and an indication of fields within the first database entity being corrected.

18. (Currently Amended) The medium of claim 14, further comprising comparing the ~~correction request to correct the first database entity~~ to filtering criteria and performing the storing and comparing unless the ~~correction request to correct the first database entity~~ does not satisfy the filtering criteria.

19. (Currently Amended) A system for identifying inconsistent data in a computer system, comprising:

a first database in a memory device to store data generated during operation of the computer system;

a correction manager to manage corrections performed in the system, the correction manager further comprising:

a second database in the memory device to store a list of corrected data entries in the first database; and

a third database in the memory device to store a list of uncorrected data entries identified as potentially inconsistent due to a correction performed on an entity listed in the second database; and

a data flow manager to manage access to the first database, the second database, and the third database by an analyzer, the analyzer to provide analytical results calculated from data stored in the first database to an operator of the system and storing the analytical results in the third database.

20. (Canceled).

21. (NEW) A correction server system, comprising:

an analyzer to calculate an analytical result using a plurality of data entries stored in a database;

a data flow manager logging requests to retrieve data entries from the database, logging requests to store data entries in the database, and identifying which of the plurality of entries in the database were used to calculate the analytical result, in a memory device, and

a correction server that, when a data entry used to calculate the analytical result has been changed, identifies analytical results rendered possibly inconsistent due to the correction.